

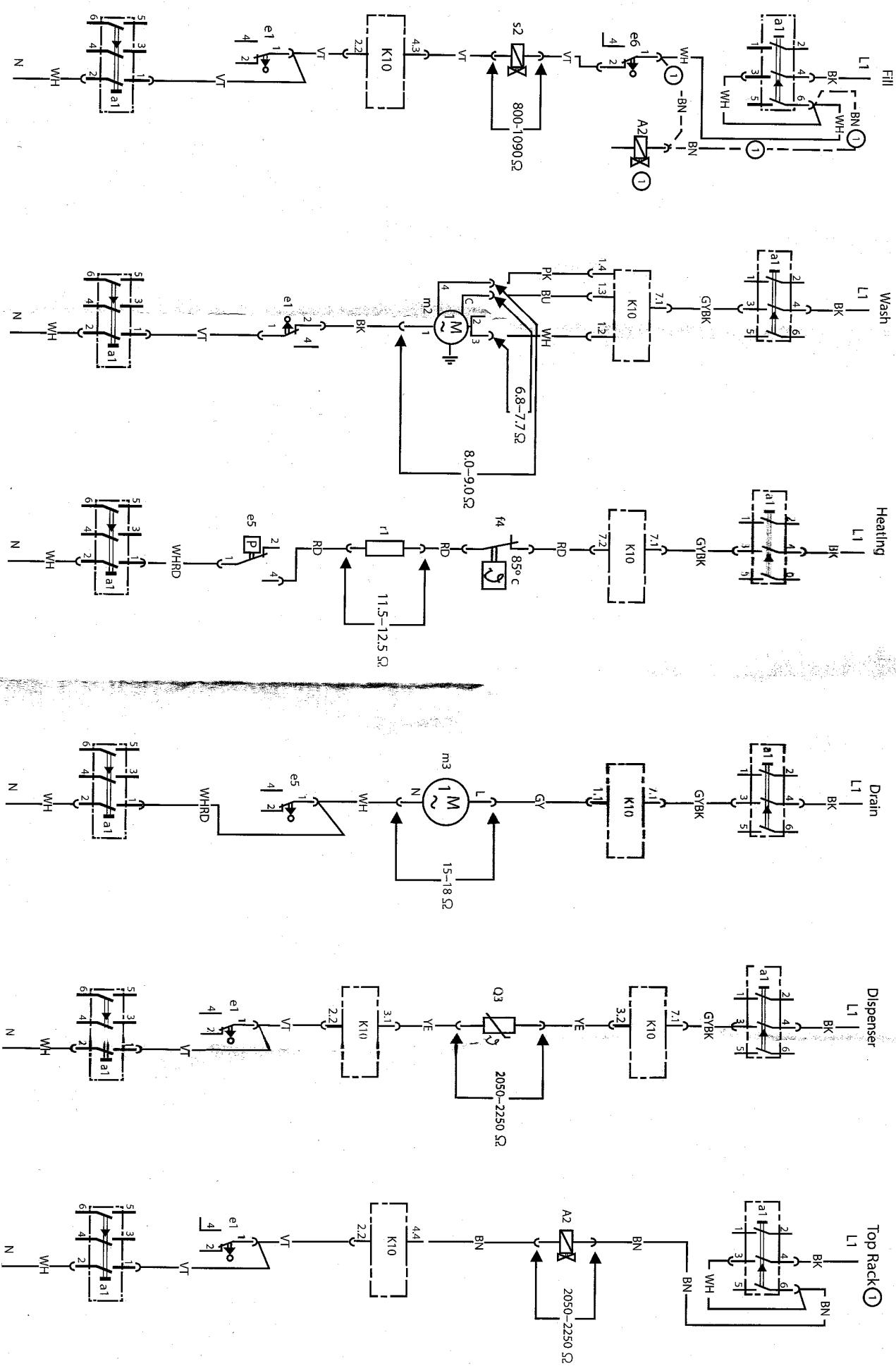
⚠️ WARNING

Dishwasher Component Circuit Diagrams / Component Circuit Diagrammes de Lave-vaiselle

Electric Shock Hazard. Product installation, and use of this page, should only be undertaken by a professional service technician who has been trained on and is fully familiar with this product. Disconnect power before touching any part or taking any resistance measurements.

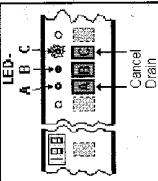
Risque de choc électrique. La préparation doit être effectuée par un technicien qualifié seulement qui a été formé et est très familier avec ce produit. Débranchez l'alimentation électrique avant de toucher toute partie du module ou de procéder à toute mesure de résistance.

⚠️ AVERTISSEMENT



Storage and Customer Programs

Control provided with the dishwasher, stores error codes from the last wash cycle - run (Units with a display the last eight wash cycles)



Function Menu -

Pressing any two wash cycle buttons turn the dishwasher on with the main switch. The coding of the control shown in the display or with the LED's until you release the buttons. After releasing the buttons you will be special function menu. You will then need to select the program you wish to run. See below for further instructions to access the program you wish to use.

Storage: To access the failure storage program press the "C" button when the following appears on the control



■ ■ ■ Or ■ ■ ■ failure storage

If the above is not displayed press the "B" button until it is displayed then press the C button. The error code for the last wash cycle will be displayed (or the mode) employing its display, the "C" button can be continued to be pressed to review the errors found in the last 10 wash cycles.)

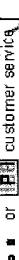
To escape out of this program press the main switch off and on.

The failure storage can be cleared by running the customer service program

Customer Service Program -

To access the customer service program you must enter into the special function menu as shown above.

Then press the "B" button until the LED "C" is glowing or the display shows "P".



■ ■ ■ Or ■ ■ ■ customer service

Press "C" button to start the Customer Service Program.

By pressing the "B" button during the Customer Service program will allow you to go to the next step in the program.

If any of the LED's are blinking 2 times a sec. or an E with a number appears, see the error code

description below

To cancel the customer service program press the main switch off and on

Item Description	Temperature	Time (sec)	Fill Amount	Approximate Current (A)
ump	15	1	1	0.75
ump	5	3.01 / 2.41	1.1	0.01

ump	Water inlet Valve	Temperature	Time (sec)	Fill Amount	Approximate Current (A)
ump	ump, Heater, Dispenser	120	1	1	0.75
ump	Dispenser	60	120	1	0.75
ump	Heater, Agusencer Calibration		30	1	0.75
Pump	(5 sec. On 5 sec. Off)		45	1	0.75
ump	Drain Pump		15	1	0.75

Codes (Shown with LED's and/or display)

EDs

B C

Display

Priority
1. Check if water supply line is filled and water pressure is correct.
2. Check if water float system is activated.
3. Check if the safety float system is activated.

Repair Guide

A WARNING

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Fault Steps to determine failure

No Power

- Check the field wiring connections at the main supply voltage is approximately 120 V.
- Check if wire harness connections at the main switch and control are properly seated.
- Check resistance with the main switch in the "On" position between:
 - A. The "L1" (black wire) and the common connector position 1 (Gray/black wire).
 - B. The "L1" (black wire) and the common connector position 3 (Brown wire).
 - C. The "N" (white wire) and the common connector position 2/2 (Violet wire).

No Heat

- Hanging Error (E1), NTC Error (E2),
- Check if the spray arms are turning slowly. If the customer service program.
 - Remove connector from control and future resistance between the control connector pins 6.2 and 6.4 (Orange wire) (Orange wire) and 6.4 (Orange wire).

Function Menu -

- Check resistance between Control connector position 7.2 (Red wire) and N (White wire) with the main switch in the on position and the flow switch (e6) activated. Activation of the flow switch can be achieved by removing the main switch from the flow water heater housing and depressing the main switch on the microswitch.
- Check the resistance between the two terminals of the thermistor (R4) and the two terminals of the heating element (R1).
- With the pressure switch removed, check if the pressure line is able to move freely.

Dispenser not operating. Raise a red flag if dispensing actuator is limited.

- Check connections to the dispensing actuator (R3) and control positions 3.1, 3.2 and 3.3.
- Run customer service program with the door removed and observe if the actuator operates.
- The dispenser actuator should open first to open (left) in dispenser door and then a second time to dispense rinse aid.
- Check resistance between the terminals of the dispenser actuator.

Will not drain

- Check if drainage high line is plugged.
- Check drain hose length is no longer than 30' and included 20' drain hose.
- Check if drainage high line is not clogged or pinched.
- Check if drain hose is blocked.
- Check if drain pump unit is blocked.
- Check current draw during the drain part of the wash cycle.
- Check the wiring and terminal items at terminal 1 of the safety float switch, drain valve and control.
- Check the current draw of the drain pump unit.

Main Pump and Drain Pump

- Check if the unit is filling with air/no water during the wash part of the wash cycle.
- Check if the unit is filling with air/no water during the drain part of the wash cycle.
- Check for clogged spray arms or filters.
- Check if the main pump can rotate freely.
- Check connections to the main pump motor, main switch (R1), drain valve (R1), control positions 1, 2, 1, 3, and 1, 4 are seated properly and correctly.
- Check the resistance between the main motor terminal 1 (Black wire) and drain (Violet wire) with the main pump.
- Check the resistance between the main motor terminal 1 (Black wire) and drain (Violet wire) with the main pump.
- Check the resistance between the main motor terminal 1 (White wire) and drain (Violet wire) with the main pump.

Will not fill

- Check if water supply line is filled and water pressure is correct.
- Check if water float system is activated.
- Check if the safety float system is activated.

Failure Resolution

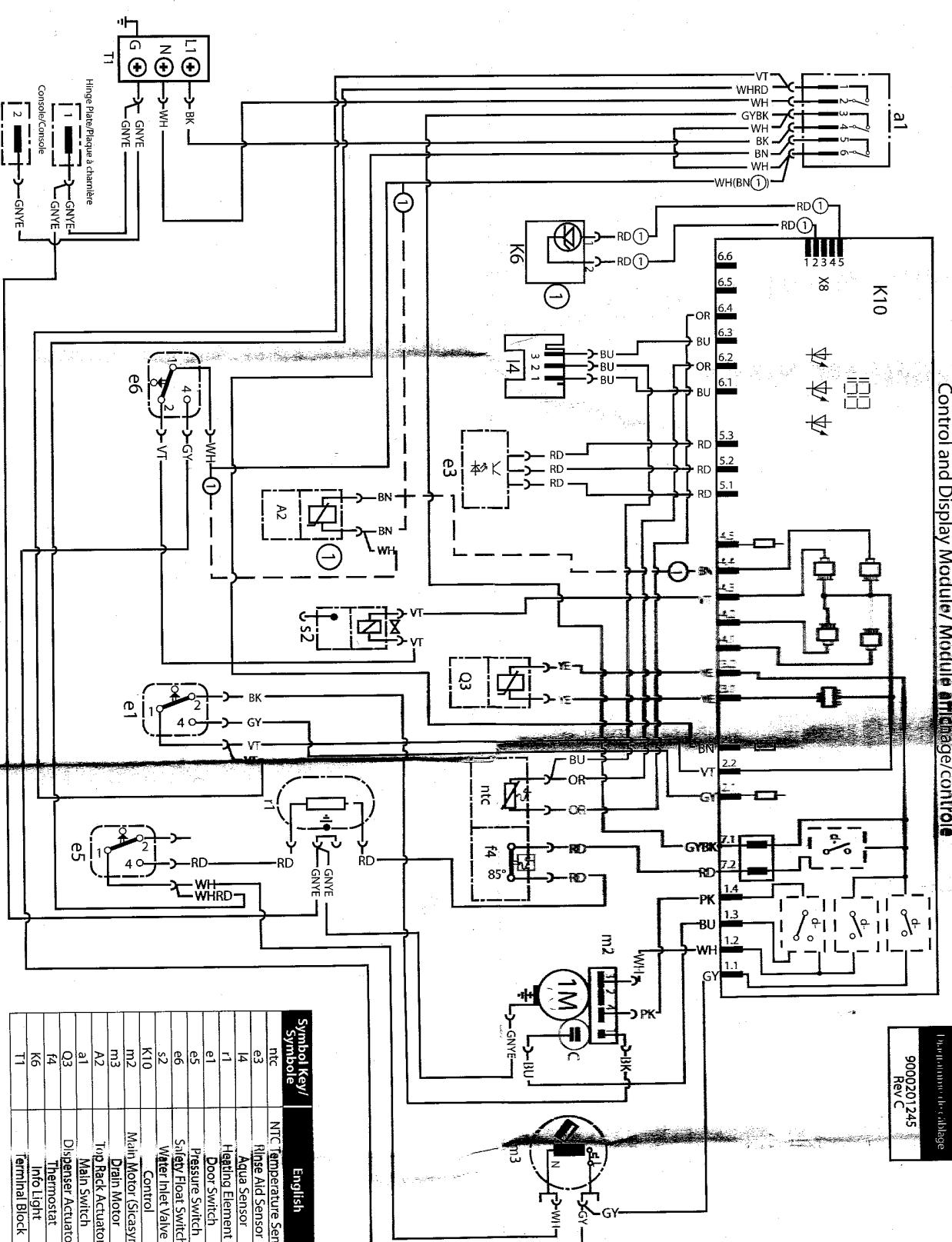
- If the connections are improperly made, replace supply connection (supply wiring must be minimum 14 awg rated 75 degrees C and check if field wiring has not been damaged under dishwasher during previous installation. If voltage is not 120 V, check fuse/wiring for open circuit breakers or fuses.
- If not seated, reseat connectors. If connectors are damaged, replace the wire harness.
- If resistance is approximately 0 Ω, go to the next step. If not, replace main switch.
- If resistance is approximately 0 Ω, go to the next step. If not, replace main switch.
- If resistance is approximately 0 Ω, go to the next step. If not, replace control module. If not, replace main switch.
- If the spray arms are not turning, see Main pump not running.
- If the resistance is not within the specified values listed, check the connections to the NTC. If connections are OK, replace NTC.
- If the resistance measurement is not within the specified values listed, check the connections to the NTC. If the resistance is not approximately 12 Ω, continue through step 4.
- If the resistance is approximately 12 Ω, go to step 5.
- If the resistance is approximately 0 Ω, replace the thermostat. If the heating element is open (e.g. Q), replace the flow water heater assembly.
- If the thermostat is in the open condition (~0 Ω), replace the flow switch.
- If the thermostat and heating element are not open, replace the flow switch if able to move freely.
- If the actuator does not operate, our does not open the detergent dispenser cover or release rinse aid, replace the applicable mechanical assembly.
- If the actuator does not operate, continue to the next step.
- If the resistance is not between ~50-250 Ω, replace dispenser actuator. If not, replace Control Module.
- Unclog drain and check operation.
- Fix drain line to be within the parameters specified.
- Remove garbage disposal plug.
- Unclog drain hose or replace drain hose assembly.
- Unblock impeller and check operation.
- If current is approximately 0.75 A and does not drain water, replace drain pump.
- If connectors are damaged, replace the connectors.
- If the resistance is between 15 - 18 Ω, replace control module.
- Clear any obstructions from filter and spray arms.
- If the motor does not rotate freely check for obstructions in the main pump housing. If there are no obstructions, replace motor.
- If the connectors are not properly seated, reseat connectors.
- If the resistance is approximately 0 Ω, go to the next step. If not, replace the door switch.
- If the resistance is approximately 8 - 9 Ω, go to the next step. If not, replace main pump.
- If the resistance is not approximately 6.0 - 7.7 Ω, replace control module. If not, replace main pump.
- Turn water supply completely on and adjust to proper water pressure.
- Clean out water line and screen.
- Check for leaks and drain water from the base to disengage the safety float system. If water will not
- Check if the safety float system is activated.

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Control and Display Module/Module d'affichage/contrôle



Symbol Key / Symbole	English	Français
ntc	NTC Temperature Sensor	Capteur de température NTC
e3	Rinse Aid Sensor	Capteur agent de rinçage
i4	Aqua Sensor	Capteur aqua
r1	Heating Element	Élément chauffant
e1	Door Switch	Interrupteur de porte
e5	Pressure Switch	Interrupteur de pression
e6	Safety Float Switch	Interrupteur à flotteur de sécurité
s2	Water Inlet Valve	Soufflage entrée d'eau
K10	Water Control	Contrôle
m2	Main Motor (SiCasym)	Moteur principal (SiCasym)
m3	Drain Motor	Moteur de drainage
m2	Trip Rock Actuator	Actionneur panier supérieur
a1	Main Switch	Interrupteur principal
Q3	Dispenser Actuator	Actionneur de distributeur
f4	Thermostat	Thermostat
K6	Info Light	Voyant Info
a1	Terminal Block	Bloc de bornes

Wiring Diagram
Schéma de câblage
9000201245
Rev C

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9000201245
Rev C

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Schéma de câblage
9000201245
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① If feature is available / Si caractéristique disponible

BOSCH DISHWASHER